

**Report to Client:** Client ID: 1212815  
USGS Upper Midwest Env. Sci. Ctr.  
Attn: Susan Schleis  
2630 Fanta Reed Rd.  
LaCrosse, WI 54630 US

Phone: 608-781-6304  
Fax: 1-608-783-6066  
E-mail: [sschleis@usgs.gov](mailto:sschleis@usgs.gov)

**Invoice to Client:** Client ID: 1714851  
Intervet/Schering-Plough Animal Health  
Attn: Palma Jordan  
3030 Jackson Ave  
Memphis, TN 38151 US

Phone: Not Applicable  
Fax: Not Applicable  
E-mail: [palma.jordan@spcorp.com](mailto:palma.jordan@spcorp.com)

CC: Not Applicable  
Fax: Not Applicable  
E-mail: Not Applicable

**P.O. Number:** Not Applicable

**Product:** FLORFENICOL 15 mg/kg

**Sample ID:** 200015668

**Lot Number:** 72811FFCA-A

**Sample Packaging:** Plastic Bag

**Date Received:** 09-AUG-2011

**Date Approved:** 18-AUG-2011

<u>Test Name</u>	<u>Method</u>	<u>Specification</u>	<u>Results</u>
ASSAY FLORFENICOL Florfenicol	SCH-102	80-110% of label claim	306 mg/kg

QA Approval: *B. Waepole*

Approval Date: 8-18-11

**Report to Client:** Client ID: 1212815  
USGS Upper Midwest Env. Sci. Ctr.  
Attn: Susan Schleis  
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LaCrosse, WI 54630 US

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Attn: Palma Jordan  
3030 Jackson Ave  
Memphis, TN 38151 US

Phone: Not Applicable  
Fax: Not Applicable  
E-mail: [palma.jordan@spcorp.com](mailto:palma.jordan@spcorp.com)

CC: Not Applicable  
Fax: Not Applicable  
E-mail: Not Applicable

**P.O. Number:** Not Applicable

**Product:** FLORFENICOL 15 mg/kg

**Sample ID:** 200015669

**Lot Number:** 72811FFCB-A

**Sample Packaging:** Plastic Bag

**Date Received:** 09-AUG-2011

**Date Approved:** 18-AUG-2011

<u>Test Name</u>	<u>Method</u>	<u>Specification</u>	<u>Results</u>
ASSAY FLORFENICOL Florfenicol	SCH-102	80-110% of label claim	300 mg/kg

QA Approval: 

Approval Date: 8-18-11

**Report to Client:** Client ID: 1212815  
 USGS Upper Midwest Env. Sci. Ctr.  
 Attn: Susan Schleis  
 2630 Fanta Reed Rd.  
 LaCrosse, WI 54603 US

Phone: 608-781-6304  
 Fax: 1-608-783-6066  
 E-mail: [sschleis@usgs.gov](mailto:sschleis@usgs.gov)

**Invoice to Client:** Client ID: 1714851  
 Intervet/Schering-Plough Animal Health  
 Attn: Palma Jordan  
 3030 Jackson Ave  
 Memphis, TN 38151 US

Phone: Not Applicable  
 Fax: Not Applicable  
 E-mail: [palma.jordan@spcorp.com](mailto:palma.jordan@spcorp.com)

CC: Not Applicable  
 Fax: Not Applicable  
 E-mail: Not Applicable

**P.O. Number:** Not Applicable

**Product:** FLORFENICOL 15 mg/kg

**Sample ID:** 200015670

**Lot Number:** 72811FFCC-A

**Sample Packaging:** Plastic Bag

**Date Received:** 09-AUG-2011

**Date Approved:** 18-AUG-2011

<u>Test Name</u>	<u>Method</u>	<u>Specification</u>	<u>Results</u>
ASSAY FLORFENICOL Florfenicol	SCH-102	80-110% of label claim	301 mg/kg

QA Approval: 

Approval Date: 8-18-11

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CC: Not Applicable  
Fax: Not Applicable  
E-mail: Not Applicable

**P.O. Number:** Not Applicable

**Product:** OXYTETRACYCLINE FEED 1650 mg/kg

**Sample ID:** 200016181

**Lot Number** 72811TMA-A, (200015674 RETEST)

**Sample Packaging:** Plastic Bag

**Date Received:** 02-SEP-2011

**Date Approved:** 15-SEP-2011

<u>Test Name</u>	<u>Method</u>	<u>Specification</u>	<u>Results</u>
ASSAY OXYTETRACYCLINE Oxytetracycline	EAH-119	Type B Feed: 75-125% of label claim	1370 mg/kg

QA Approval: B Waepole

Approval Date: 9-15-11

Report to Client: Client ID: 1212815  
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E-mail: [sschleis@usgs.gov](mailto:sschleis@usgs.gov)

CC: Not Applicable  
Fax: Not Applicable  
E-mail: Not Applicable

P.O. Number: Not Applicable

Product: OXYTETRACYCLINE FEED 1650 mg/kg

Sample ID: 200016185

Lot Number 72811TMB-A, (200015675 RETEST)

Sample Packaging: Plastic Bag

Date Received: 02-SEP-2011

Date Approved: 15-SEP-2011

Test Name

ASSAY OXYTETRACYCLINE

Oxytetracycline

Method

EAH-119

Specification

Type B Feed: 75-125% of label  
claim

Results

1370 mg/kg

QA Approval: \_\_\_\_\_

*B. Waepole*

Approval Date: \_\_\_\_\_

*9-15-11*

Report  
to Client: Client ID: 1212815  
USGS Upper Midwest Env. Sci. Ctr.  
Attn: Susan Schleis  
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E-mail: [sschleis@usgs.gov](mailto:sschleis@usgs.gov)

CC: Not Applicable  
Fax: Not Applicable  
E-mail: Not Applicable

P.O. Number: Not Applicable

Product: OXYTETRACYCLINE FEED 1650 mg/kg

Sample ID: 200016184

Lot Number 72811TMC-A, (200015676 RETEST)

Sample Packaging: Plastic Bag

Date Received: 02-SEP-2011

Date Approved: 15-SEP-2011

<u>Test Name</u>	<u>Method</u>	<u>Specification</u>	<u>Results</u>
ASSAY OXYTETRACYCLINE Oxytetracycline	EAH-119	Type B Feed: 75-125% of label claim	1330 mg/kg

QA Approval: \_\_\_\_\_

*B Waepde*

Approval Date: \_\_\_\_\_

*9-15-11*

**Report to Client:** Client ID: 1212815  
USGS Upper Midwest Env. Sci. Ctr.  
Attn: Susan Schleis  
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LaCrosse, WI 54630 US

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CC: Not Applicable  
Fax: Not Applicable  
E-mail: Not Applicable

**P.O. Number:** Not Applicable

**Product:** OXYTETRACYCLINE FEED 82.5 mg/kg

**Sample ID:** 200015674

**Lot Number:** 72811TMA-A

**Sample Packaging:** Plastic Bag

**Date Received:** 09-AUG-2011

**Date Approved:** 29-AUG-2011

<u>Test Name</u>	<u>Method</u>	<u>Specification</u>	<u>Results</u>
ASSAY OXYTETRACYCLINE Oxytetracycline	EAH-119	Type C Feed: 65-135% of label claim	>125 mg/kg

From feed analyzed  
@ wrong level

Hatchery Feed

QA Approval: Blaepore

Approval Date: 8/31/11

Report to Client: Client ID: 1212815  
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Attn: Susan Schleis  
2630 Fanta Reed Rd.  
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E-mail: [sschleis@usgs.gov](mailto:sschleis@usgs.gov)

CC: Not Applicable  
Fax: Not Applicable  
E-mail: Not Applicable

P.O. Number: Not Applicable

Product: OXYTETRACYCLINE FEED 82.5 mg/kg

Sample ID: 200015675

Lot Number 72811TMB-A

Sample Packaging: Plastic Bag

Date Received: 09-AUG-2011

Date Approved: 29-AUG-2011

<u>Test Name</u>	<u>Method</u>	<u>Specification</u>	<u>Results</u>
ASSAY OXYTETRACYCLINE Oxytetracycline	EAH-119	Type C Feed: 65-135% of label claim	>125 mg/kg

QA Approval: B Waepole

Approval Date: 8/31/11



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E-mail: [sschleis@usgs.gov](mailto:sschleis@usgs.gov)

CC: Not Applicable  
Fax: Not Applicable  
E-mail: Not Applicable

P.O. Number: Not Applicable

Product: OXYTETRACYCLINE FEED 82.5 mg/kg

Sample ID: 200015676

Lot Number 72811TMC-A

Sample Packaging: Plastic Bag

Date Received: 09-AUG-2011

Date Approved: 29-AUG-2011

<u>Test Name</u>	<u>Method</u>	<u>Specification</u>	<u>Results</u>
ASSAY OXYTETRACYCLINE Oxytetracycline	EAH-119	Type C Feed: 65-135% of label claim	>125 mg/kg

QA Approval: B Waepole

Approval Date: 8/31/11

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E-mail: [sschleis@usgs.gov](mailto:sschleis@usgs.gov)

CC: Not Applicable  
Fax: Not Applicable  
E-mail: Not Applicable

**P.O. Number:** Not Applicable

**Product:** OXYTETRACYCLINE FEED 82.5 mg/kg

**Sample ID:** 200015673

**Lot Number:** TM327JUL11-A

**Sample Packaging:** Plastic Bag

**Date Received:** 09-AUG-2011

**Date Approved:** 29-AUG-2011

**Test Name**

**ASSAY OXYTETRACYCLINE**

Oxytetracycline

**Method**

**EAH-119**

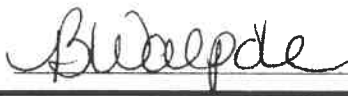
**Specification**

Type C Feed: 65-135% of label  
claim

**Results**

>125 mg/kg

**QA Approval:**



**Approval Date:**

8/31/11

**Report to Client:** Client ID: 1212815  
USGS Upper Midwest Env. Sci. Ctr.  
Attn: Susan Schleis  
2630 Fanta Reed Rd.  
LaCrosse, WI 54630 US

Phone: 608-781-6304  
Fax: 1-800-783-6066  
E-mail: [sschleis@usgs.gov](mailto:sschleis@usgs.gov)

**Invoice to Client:** Client ID: 1212815  
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LaCrosse, WI 54630 US

Phone: 608-781-6304  
Fax: 1-800-783-6066  
E-mail: [sschleis@usgs.gov](mailto:sschleis@usgs.gov)

CC: Not Applicable  
Fax: Not Applicable  
E-mail: Not Applicable

**P.O. Number:** Not Applicable

**Product:** OXYTETRACYCLINE FEED 82.5 mg/kg

**Sample ID:** 200015672

**Lot Number:** TM219JUL11-A

**Sample Packaging:** Plastic Bag

**Date Received:** 09-AUG-2011

**Date Approved:** 29-AUG-2011

**Test Name**

**ASSAY OXYTETRACYCLINE**

Oxytetracycline

**Method**

**EAH-119**

**Specification**

Type C Feed: 65-135% of label  
claim

**Results**

>125 mg/kg

**QA Approval:**



**Approval Date:**

8/31/11

**Report to Client:** Client ID: 1212815  
USGS Upper Midwest Env. Sci. Ctr.  
Attn: Susan Schleis  
2630 Fanta Reed Rd.  
LaCrosse, WI 54630 US

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E-mail: [sschleis@usgs.gov](mailto:sschleis@usgs.gov)

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LaCrosse, WI 54630 US

Phone: 608-781-6304  
Fax: 1-608-783-6066  
E-mail: [sschleis@usgs.gov](mailto:sschleis@usgs.gov)

CC: Not Applicable  
Fax: Not Applicable  
E-mail: Not Applicable

**P.O. Number:** Not Applicable

**Product:** OXYTETRACYCLINE FEED 82.5 mg/kg

**Sample ID:** 200015671

**Lot Number:** 14JUL11TM1-A

**Sample Packaging:** Plastic Bag

**Date Received:** 09-AUG-2011

**Date Approved:** 29-AUG-2011

<u>Test Name</u>	<u>Method</u>	<u>Specification</u>	<u>Results</u>
ASSAY OXYTETRACYCLINE Oxytetracycline	EAH-119	Type C Feed: 65-135% of label claim	>125 mg/kg

**QA Approval:** *B Waepde*

**Approval Date:** 8/31/11

CERTIFIED COPY

Initials: SMS Date: 17SEP12

FF# 7  
Item # \_\_\_\_\_  
Pg \_\_\_\_\_ of \_\_\_\_\_

AEH-09-MAS-02

AEH-09-MAS-02

00189

00252

**FedEx** *NEW Package*  
Express *US Airbill*

FedEx Tracking Number **8008 0133 1795**

**1 From** *Please print and press hard.*

Date 17SEP12 Sender's FedEx Account Number SENDER'S FedEx ACCOUNT NUMBER ONLY 1201-0088-8

Sender's Name Susan Schleis Phone (608) 783-6451

Company UPPER MIDWEST ENVIRO SCIENCE

Address 2630 FANTA REED RD

City LA CROSSE State WI ZIP 54603-1223

**2 Your Internal Billing Reference**

First 24 characters will appear on invoice. OPTIONAL

**3 To**

Recipient's Name Karen DeBroske Phone 269, 323-3366

Company Eurofins Lancaster Labs

Address 6859 Quality Way  
We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address ATTN: Sample Administration  
Use this line for the HOLD location address or for continuation of your shipping address.

City Portage State MI ZIP 49002

0453538510

**The FedEx US Airbill has changed. See Section 4.**  
For shipments over 150 lbs., order the new FedEx Express Freight US Airbill.

MUR4  
Form ID No. **0215** Sender's Copy

**4 Express Package Service** \*To most locations.

NOTE: Service order has changed. Please select carefully. Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

- |   |   |
|---|---|
| <b>Next Business Day</b>  | <b>2 or 3 Business Days</b>   |
| <input type="checkbox"/> FedEx First Overnight<br>Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected. | <input type="checkbox"/> NEW FedEx 2Day A.M.<br>Second business morning.* Saturday Delivery NOT available.  |
| <input type="checkbox"/> FedEx Priority Overnight<br>Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.                                   | <input type="checkbox"/> FedEx 2Day<br>Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected. |
| <input checked="" type="checkbox"/> FedEx Standard Overnight<br>Next business afternoon.* Saturday Delivery NOT available.  | <input type="checkbox"/> FedEx Express Saver<br>Third business day.* Saturday Delivery NOT available.   |

**5 Packaging** \*Declared value limit \$500.

- FedEx Envelope\*  FedEx Pak\*  FedEx Box  FedEx Tube  Other

**6 Special Handling and Delivery Signature Options**

- SATURDAY Delivery  
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
- No Signature Required  
Package may be left without obtaining a signature for delivery.
- Direct Signature  
Someone at recipient's address may sign for delivery. Fee applies.
- Indirect Signature  
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.
- Does this shipment contain dangerous goods?  
One box must be checked.
- No  Yes  
As per attached Shipper's Declaration.
- Dry Ice  
Dry Ice, 5, UN 1845 \_\_\_\_\_ x \_\_\_\_\_ kg
- Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.  Cargo Aircraft Only

**7 Payment Bill to:**

- Enter FedEx Acct. No. or Credit Card No. below.
- Sender Acct. No. in Section 1 will be billed.  Recipient  Third Party  Credit Card  Cash/Check
- FedEx Acct. No. \_\_\_\_\_ Exp. Date \_\_\_\_\_  
Credit Card No. \_\_\_\_\_

Total Packages 1 Total Weight \_\_\_\_\_ lbs. Total Declared Value\* \$ \_\_\_\_\_ .00

\*Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

611

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE. NO POUCH NEEDED.

fedex.com 1.800.GoFedEx 1.800.463.3339

**Pharmaceutical/Biopharmaceutical Analysis Request Form**

AEH-09-MAS-02

FF# 7  
Item # \_\_\_\_\_  
Pg.     of    

Date: 17SEP12 Contact at  
Lancaster Labs:

Karen DeBroske  
karendebroske@eurofinsus.com  
269-323-3366

**SHIP TO:**

Eurofins Lancaster Labs (US): Attn Sample Administration  
2425 New Holland Pike, Lancaster PA 17601

Eurofins Lancaster Labs (Europe): Attn Sample Intake  
Clogherane, Dungarvan Co. Waterford, Ireland

Eurofins Lancaster Labs (Midwest): Attn Sample Administration, 6859 Quality Way, Portage, MI 49002

<b>Please complete the following:</b> # of Samples: <u>3</u> Account #: _____ PO #: _____ Quotation #: _____	<b>Billing Information:</b> Company: <u>Intervet</u> Contact: <u>Dr. Richard Endris</u> Address: <u>556 Morris Ave</u> <u>Summit, NJ</u> Email: <u>richard.endris@merck.com</u>	<b>Reporting Information:</b> Company: <u>UMESC</u> Contact: <u>Susan Schleis</u> Address: <u>2630 Fanta Reed Road</u> <u>La Crosse WI 54630</u> Email: <u>sschleis@usgs.gov</u>
--	--	---

If requesting sample return after testing and reporting has been completed, please complete required information: FedEx Acct #: _____	Contact: _____ Address: _____ Phone #: _____	Hazardous: <input type="checkbox"/> (Please provide MSDS) Blood Pathogen: <input type="checkbox"/> BSL2 <input type="checkbox"/> Controlled Substance: <input type="checkbox"/> Class: _____ Please provide C of A for All Raw Materials
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Sample Description (As you require it to appear on your Final Report)	Lot #	Sample Storage Conditions (X Required Condition)					Test/Method Reference							
		Room Temp	Refrigerated	Frozen (-20C)	Frozen (-70C)	Frozen (Liq. Nit.)	Florfenicol	Romet						
25 JUN 12 FFC A / expected concentration <u>214.3 g/kg</u>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X							
4 JUL 12 FFC A / expected conc. <u>214.3 g/kg</u>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X							
12 JUN 12 CONTA		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	X	X						
- test for Romet / expected -0		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								
- test for florfenicol / expected -0		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>								

Submitted by \_\_\_\_\_ Date \_\_\_\_\_

Received at Lab by \_\_\_\_\_ Date/Time \_\_\_\_\_

Call to confirm current turnaround time. If RUSH results are needed, call in advance of submission for prior approval.

Please provide method references for chemical assays.

AEH-09-MAS-02

Initials: SMS Date: 17SEP12

**CERTIFIED COPY**

Contact information:  
Susan Schleis  
2630 Fanta Reed Road  
La Crosse, WI 54603

AEH-09-MAS-02

(608) 781-6304  
sschleis@usgs.gov

FF# 7  
Item #         
Pg     of    

Contents:

25JUN12FFCA – to be tested for FFC concentration; expected 214.3 mg/kg

4JULFFCA - to be tested for FFC concentration; expected 214.3 mg/kg

12JUN12CONTA - to be tested for FFC concentration; expected 0.0 mg/kg and ROMET concentration; expected concentration of 0 mg/kg

We do have more sample available for any of these tests, if more is needed.

The sample matrix for all samples is OTOHIME EP-1, Lot 2012 3 451.

The medication in the treated feed is AQUAFLOR®, Lot 035184.

Intervet/Schering Plough is paying for the analyses. Study sponsor for AEH-09-MAS-02.

**CERTIFIED COPY**  
nr: 145: SMS Date: 17SEP12

AEH-09-MAS-02

Sample Receipt Notification from Lancaster Laboratories  
Deborah L. Neuhauser  
to:  
sschleis  
09/19/2012 07:38 AM  
Please respond to KarenDeBroske  
Show Details

**AEH-09-MAS-02**

Sample Receipt Notification: The following sample(s) were received at Lancaster Laboratories, Inc. (or were pulled from our stability chambers) on 9/18/2012. Our sample numbers along with your corresponding description are listed below.

**Lancaster Laboratories Facility Address**

2425 New Holland Pike  
PO Box 12425  
Lancaster, PA 17605-2425

**Sample Delivery Group**

**Account:** Intervet/Schering Plough - TN  
**Account Number:** 13528  
**Project:** Feed (Upper Midwest Environmental Sciences Center - Lacrosse, WI) -- 083856  
**Sample Delivery Group:** NG-1336352

Sample	Description	Lot Number
<u>NS-06792445</u>	25JUN12FFCA, Florfenicol Type C Feed, 214.3 mg/kg, 1 Bag	
<u>NS-06792446</u>	4JUL12FFCA, Florfenicol Type C Feed, 214.3 mg/kg, 1 Bag	
<u>NS-06792447</u>	12JUN12CONTA, Florfenicol Type C Feed, 0 mg/kg, 1 Bag	

Please use the following link to our LabAccess website for additional details.  
[LabAccess SDG Detail Page for NG-1336352.](#)

If you no longer wish to receive these automated sample receipt notifications, please contact your Project Manager at [KarenDeBroske@eurofins.com](mailto:KarenDeBroske@eurofins.com) to discontinue this service.

FF# 7  
Item #       
Pg      of     

Rec'd 07:38 a.m. 09/19/2012

Printed 08:14 a.m. 09/19/2012

**AEH-09-MAS-02**





**Detailed Results**

Tracking no.: 800801331795

Select time format: 12H

**Delivered**

**Delivered**  
Signed for by: K.DEBROSKE

Shipment Dates  
 Ship date Sep 17, 2012  
 Delivery date Sep 18, 2012 12:31 PM

Destination  
 Signature Proof of Delivery

**AEH-09-MAS-02**

**Shipment Options**

**Hold at FedEx Location**  
 Hold at FedEx Location service is not available for this shipment.

**Shipment Facts**

Service type	Standard Overnight	Delivered to	Receptionist/Front Desk
Weight	10.0 lbs/4.5 kg		

FF# 7  
 Item #         
 Pg     of    

**Shipment Travel History**

Select time zone: Local Scan Time

All shipment travel activity is displayed in local time for the location

Date/Time	Activity	Location	Details
Sep 18, 2012 12:31 PM	<b>Delivered</b>		
Sep 18, 2012 8:16 AM	On FedEx vehicle for delivery	PORTAGE, MI	
Sep 18, 2012 8:13 AM	At local FedEx facility	PORTAGE, MI	
Sep 18, 2012 5:55 AM	At destination sort facility	GRAND RAPIDS, MI	
Sep 18, 2012 3:44 AM	Departed FedEx location	MEMPHIS, TN	
Sep 18, 2012 12:11 AM	Arrived at FedEx location	MEMPHIS, TN	
Sep 17, 2012 7:30 PM	Left FedEx origin facility	LA CROSSE, WI	
Sep 17, 2012 3:20 PM	Picked up	LA CROSSE, WI	

00045

00252

**FedEx** NEW Package  
Express US Airbill

FedEx  
Tracking  
Number

8008 0133 0354

Form  
ID No.

0215

MUR4

Sender's Copy

**1 From** Please print and press hard.

Date 9 OCT 12 Sender's FedEx Account Number 1201-0086-4

Sender's Name Susan Seheis Phone (608) 783-6451

Company UPPER MIDWEST ENVIRO SCIENCE

Address 2630 FANTA REED RD

City LA CROSSE State WI ZIP 54603-1223

**2 Your Internal Billing Reference**

First 24 characters will appear on invoice. OPTIONAL

**3 To**

Recipient's Name Mania Pham Phone (504) 297-4344

Company EUROFINS CME

Address 2315 N Causeway Blvd  
We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address Use this line for the HOLD location address or for continuation of your shipping address.

City Metairie State LA ZIP 70001

0453538510

**The FedEx US Airbill has changed. See Section 4.**  
For shipments over 150 lbs., order the new FedEx Express Freight US Airbill.

**4 Express Package Service** \*To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs.  
For packages over 150 lbs., use the new  
FedEx Express Freight US Airbill.

**Next Business Day**

FedEx First Overnight  
Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx Priority Overnight  
Next business morning.\* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx Standard Overnight  
Next business afternoon.\* Saturday Delivery NOT available.

**2 or 3 Business Days**

NEW FedEx 2Day A.M.  
Second business morning.\* Saturday Delivery NOT available.

FedEx 2Day  
Second business afternoon.\* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx Express Saver  
Third business day.\* Saturday Delivery NOT available.

**5 Packaging** \*Declared value limit \$500.

FedEx Envelope\*  FedEx Pak\*  FedEx Box  FedEx Tube  Other

**6 Special Handling and Delivery Signature Options**

SATURDAY Delivery  
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.

No Signature Required  
Package may be left without obtaining a signature for delivery.

Direct Signature  
Someone at recipient's address may sign for delivery. Fee applies.

Indirect Signature  
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

**Does this shipment contain dangerous goods?**

One box must be checked.  
 No  Yes As per attached Shipper's Declaration.  Yes Shipper's Declaration not required.  Dry Ice Dry Ice, 5, UN 1845 \_\_\_\_\_ x \_\_\_\_\_ kg  
Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.  Cargo Aircraft Only

**7 Payment Bill to:**

Enter FedEx Acct. No. or Credit Card No. below.  
 Sender Acct. No. in Section 1 will be billed.  Recipient  Third Party  Credit Card  Cash/Check  
FedEx Acct. No. Credit Card No. Exp. Date

Total Packages 1 Total Weight \_\_\_\_\_ lbs. Total Declared Value† \$ \_\_\_\_\_ .00

†Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

611

Rev. Date 11/10 • Part #163134 • ©1994-2010 FedEx • PRINTED IN U.S.A. SRS

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE. NO POUCH NEEDED.

fedex.com 1.800.GoFedEx 1.800.463.3339

AEH-09-MAS-02

FF# 7  
Item # \_\_\_\_\_  
Pg \_\_\_\_\_ of \_\_\_\_\_

copy of airbill for sending  
of 12JUN12 CONT B. 9OCT12 8U5



# CENTRAL ANALYTICAL LABORATORIES

Certified and Accredited Analytical Services

## ANALYSIS REQUEST

FRM-09.2.03 Version No. 3

Effective Date: 03/29/2010

QA Approval [Signature]

### Report Results To

Company: Upper Midwest Env. Sci Ctr

Contact Name: Susan Schleis

Address: 2630 Fanta Reed Road

La Crosse WI 54603

Phone: 608-781-6304

Fax: 608-783-6066

E-mail: sschleis@usgs.gov

### Send Invoice To:

Contact Name: same as above

Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Purchase Order Number: none - will pay w/ credit card

Enclose with samples and ship to:

**Eurofins Central Analytical Laboratories**

**2315 N. Causeway Blvd. Suite 150**

**Metairie, LA 70001**

**Phone: (504) 297-3400**

**Fax: (504) 297-3410**

**FDA Food Facility Reg.# 10176688330**

For CAL use only:

Date/Time Received: \_\_\_\_\_

CSR Received by: \_\_\_\_\_

Courier: \_\_\_\_\_

Temperature of samples upon receipt: \_\_\_\_\_

Turnaround Time: 10 calendar days is standard for most tests. A "RUSH" turn is usually available, but is subject to priority charges. You will need to call and confirm the corresponding fees and availability.

Special Instructions: Split sample and send necessary amount to Portage MI lab for validated FIC method analysis. Expected concentration is 0 mg/kg. Maria Pham is my contact at your lab.

Service Type (Standard/Rush) Place S or R	Sample Matrix (i.e. White Corn, Oil, SBM)	Sample Reference (i.e. Seal #, Date)	Sample Code (i.e. Lot #, ID#)	Analysis Requested (i.e. Aflatoxins by LCMS, Peroxide Value, 3-MCPD)	Expected Limits (Specs)	For CAL use only
S	Otahime EPI (fish feed)		12 Jun 12 CONT B	Sulfadimethoxine	0 mg/kg	
			12 Jun 12 CONT B	Ormetoprim	0 mg/kg	

9Oct12

Dear Maria,

This is our back up sample (12Jun12CONT B) which I am sending to replace the original control feed sample (12Jun12 CONT A). As per our communication on 5Oct12, this sample will need to be split up. You will retain as much as you need to perform the sulfadimethoxine and ormetoprim analyses (expected concentration of 0 mg/kg). The remainder will be shipped to the Portage MI lab to be analyzed by the validated FFC method to check for any possible contamination of FFC (expected concentration of 0 mg/kg). The other 2 (26Jun and 4Jul) samples need to be tested for the verification of FFC concentration (expected -214.3 mg/kg). Our facility (UMESC) will pay for the analyses at your lab and Schering Plough/Intervet/Merck will pay for all of the florfenicol analyses. Results for all testing should be sent to me.

Thanks for all of your assistance.

Susan Schleis

UMESC  
2630 Fanta Reed Road  
La Crosse, WI 54603

(608) 781-6304

sschleis@usgs.gov

**AEH-09-MAS-02**

FF# 7  
Item #         
Pg        of



## Detailed Results

Tracking no.: 800801330354

Select time format: 12H

**Delivered**
**Delivered**  
 Signed for by: G.CHERAMIE

## Shipment Dates

 Ship date Oct 9, 2012  
 Delivery date Oct 10, 2012 8:45 AM

## Destination

Signature Proof of Delivery

## Shipment Options

**Hold at FedEx Location**

Hold at FedEx Location service is not available for this shipment.

## Shipment Facts

Service type	Standard Overnight	Delivered to	Receptionist/Front Desk
Weight	13.0 lbs/5.9 kg		

## Shipment Travel History

Select time zone: Local Scan Time

All shipment travel activity is displayed in local time for the location

Date/Time	Activity	Location	Details
Oct 10, 2012 8:45 AM	<b>Delivered</b>		
Oct 10, 2012 7:40 AM	On FedEx vehicle for delivery	HARAHAN, LA	
Oct 10, 2012 7:35 AM	At local FedEx facility	HARAHAN, LA	
Oct 10, 2012 4:20 AM	At destination sort facility	KENNER, LA	
Oct 10, 2012 3:28 AM	Departed FedEx location	MEMPHIS, TN	
Oct 9, 2012 11:49 PM	Arrived at FedEx location	MEMPHIS, TN	
Oct 9, 2012 7:30 PM	Left FedEx origin facility	LA CROSSE, WI	
Oct 9, 2012 3:21 PM	Picked up	LA CROSSE, WI	

AEH-09-MAS-02

 FF# 7  
 Item #       
 Pg      of



**UPPER MIDWEST ENVIRONMENT SCIENCE  
CENTER**

2630 FANTA REED RD  
LA CROSSE, WI 54630

SUSAN SCHLEIS

SSCHLEIS@USGS.GOV  
Fax: 608-783-6066

## Acknowledgement of Receipt

We have received the following sample(s) and have entered your testing request(s) accordingly:

Batch Code:	EUUSNO-00034346
Batch Received On:	10/10/2012 1:56:58 PM
Transported By:	FedEx
TAT Requested:	Standard

Eurofins Sample Code:	Sample Description:	Client Sample Reference:	Client Sample Code:
<b>468-2012-1010B116</b>	FISH FEED	OTAHIME EP1	12 JUN 12 CONT B

TAT: Standard

QD577: Sulfadimethoxine (LC-MSMS)

QD576: Ormethoprim

For questions or concerns contact:  
Eurofins Central Analytical Client Services  
Tel: (504) 297-3400

The information transmitted is intended only for the person or entity to which it is addressed and may contain confidential and/or privileged material. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon this information by persons or entities other than the intended recipient is prohibited. If you receive this in error, please contact the sender and delete the material from any computer. The integrity and security of this message cannot be guaranteed and it may be subject to data corruption, interception and unauthorised amendment, for which we accept no liability. The sender therefore is in no way liable for any errors or omissions in the content of this message, which may arise as a result of email transmission. If verification is required, please request a hard copy. We take reasonable precautions to ensure our emails are without viruses. You need, however, to verify that this email and any attachments are without viruses, as we can take no responsibility for any computer viruses, which might be transferred by way of this email. We may monitor all email communication through our networks. If you contact us by email, we may store your name and address to facilitate communication.

Terms and conditions are available by request and also at [http://www.eurofinsus.com/terms\\_and\\_conditions.pdf](http://www.eurofinsus.com/terms_and_conditions.pdf)

**AEH-09-MAS-02**

FF# 7  
Item #       
Pg      of

## Sample Receipt Notification from Lancaster Laboratories

Deborah L. Neuhauser

to:

sschleis

10/12/2012 08:05 AM

Please respond to KarenDeBroske

[Show Details](#)

Sample Receipt Notification: The following sample(s) were received at Lancaster Laboratories, Inc. (or were pulled from our stability chambers) on 10/11/2012. Our sample numbers along with your corresponding description are listed below.

**Lancaster Laboratories Facility Address**

2425 New Holland Pike

PO Box 12425

Lancaster, PA 17605-2425

**Sample Delivery Group****Account:** Intervet/Schering Plough - TN**Account Number:** 13528**Project:** Feed (Upper Midwest Environmental Sciences Center - Lacrosse, WI) -- 083856**Sample Delivery Group:** [NG-1341608](#)

<b>Sample</b>	<b>Description</b>	<b>Lot Number</b>
<a href="#">NS-06820110</a>	25JUN12FFCA, Florfenicol Type C Feed, 214.3 mg/kg, 1 Bag	
<a href="#">NS-06820111</a>	4JUL12FFCA, Florfenicol Type C Feed, 214.3 mg/kg, 1 Bag	
<a href="#">NS-06820112</a>	12JUN12CONTB, Florfenicol Type C Feed, 0 mg/kg, 1 Bag	

Please use the following link to our LabAccess website for additional details.

[LabAccess SDG Detail Page for NG-1341608.](#)

If you no longer wish to receive these automated sample receipt notifications, please contact your Project Manager at [KarenDeBroske@eurofins.com](mailto:KarenDeBroske@eurofins.com) to discontinue this service.

AEH-09-MAS-02

FF# 7  
Item #       
Pg      of

00190

00252

**FedEx** *NEW Package*  
Express *US Airbill*

FedEx Tracking Number **8008 0133 1800**

**1 From** *Please print and press hard.*  
Date 17SEP12 Sender's FedEx Account Number 1201-0086-8 SENDER'S FEDEx ACCOUNT NUMBER ONLY

Sender's Name Susan Schleis Phone (608) 783-6451

Company UPPER MIDWEST ENVIRO SCIENCE

Address 2630 FANTA REED RD Dept./Floor/Suite/Room

City LA CROSSE State WI ZIP 54603-1223

**2 Your Internal Billing Reference** OPTIONAL  
First 24 characters will appear on invoice.

**3 To Recipient's Name** Phone ( )

Company Covance Laboratories

Address 671 S. Meridian Rd HOLD Weekday  
FedEx location address REQUIRED. NOT available for FedEx First Overnight.  
We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address Nut Chem + Food Safety, Animal Health BLG-2207 HOLD Saturday  
FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.  
Use this line for the HOLD location address or for continuation of your shipping address.

City Greenfield State IN ZIP 46140

0453538510

**The FedEx US Airbill has changed. See Section 4.**  
For shipments over 150 lbs., order the new FedEx Express Freight US Airbill.

fedex.com 1.800.GoFedEx 1.800.463.3339

Sender's Copy  
Form ID No. 0215

**4 Express Package Service** \*To most locations.  
NOTE: Service order has changed. Please select carefully.  
Packages up to 150 lbs.  
For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

**Next Business Day**  
 FedEx First Overnight  
Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.  
 FedEx Priority Overnight  
Next business morning.\* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.  
 FedEx Standard Overnight  
Next business afternoon.\* Saturday Delivery NOT available.

**2 or 3 Business Days**  
 NEW FedEx 2Day A.M.  
Second business morning.\* Saturday Delivery NOT available.  
 FedEx 2Day  
Second business afternoon.\* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.  
 FedEx Express Saver  
Third business day.\* Saturday Delivery NOT available.

**5 Packaging** \*Declared value limit \$500.  
 FedEx Envelope\*  FedEx Pak\*  FedEx Box  FedEx Tube  Other

**6 Special Handling and Delivery Signature Options**  
 SATURDAY Delivery  
NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.  
 No Signature Required  
Package may be left without obtaining a signature for delivery.  
 Direct Signature  
Someone at recipient's address may sign for delivery. Fee applies.  
 Indirect Signature  
If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.  
**Does this shipment contain dangerous goods?**  
One box must be checked.  
 No  Yes As per attached Shipper's Declaration.  Yes Shipper's Declaration not required.  Dry Ice  
Dry ice, 9 UN 1845 \_\_\_\_\_ x \_\_\_\_\_ kg  
Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.  Cargo Aircraft Only

**7 Payment Bill to:**  
Enter FedEx Acct. No. or Credit Card No. below.  
 Sender Acct. No. in Section 1 will be billed.  Recipient  Third Party  Credit Card  Cash/Check  
FedEx Acct. No. Credit Card No. Exp. Date

Total Packages 1 Total Weight \_\_\_\_\_ lbs. Total Declared Value\* \$ \_\_\_\_\_ .00

\*Our liability is limited to \$100 unless you declare a higher value. See back for details. By using this Airbill you agree to the service conditions on the back of this Airbill and in the current FedEx Service Guide, including terms that limit our liability.

Rev. Date 11/10 • Part #163134 • ©1994-2010 FedEx • PRINTED IN U.S.A. SRS

PULL AND RETAIN THIS COPY BEFORE AFFIXING TO THE PACKAGE. NO POUCH NEEDED.

AEH-09-MAS-02

**CERTIFIED COPY**  
no. is: 845 Date: 17SEP12

AEH-09-MAS-02

FF# 7  
Item # \_\_\_\_\_  
Pg \_\_\_\_\_ of \_\_\_\_\_



Contact information:

Susan Schleis  
2630 Fanta Reed Road  
La Crosse, WI 54603

(608) 781-6304  
sschleis@usgs.gov

Contents:

25JUN12OTCA1 – to be tested for OTC concentration; expected 1178.6 mg/kg; 204.2 g  
4JULOTCA! - to be tested for OTC concentration; expected 1178.6 mg/kg; 259.7g  
CONTAMA - to be tested for OTC concentration; expected 0.0 mg/kg; 249.1 g

1 bag containing extra control feed to use for your spikes, etc; 266.2 g

We do have more sample for any of these, if more is needed.

The sample matrix for all samples is OTOHIME EP-1, Lot 2012 3 451.

The medication in the treated feed is Terramycin® 200 for Fish, Lot N10110124XF.

**CERTIFIED COPY**

Initials: SMS Date: 17SEP12

AEH-09-MAS-02

FF# \_\_\_\_\_  
Item # \_\_\_\_\_  
Pg \_\_\_\_ of \_\_\_\_



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PHIBRO MEDICATED FEED ASSAYS

August 25, 2012

Susan M. Schleis  
Biologist  
Upper Midwest Environmental Sciences Center  
2630 Fanta Reed Rd.  
La Crosse, WI 54603

Dear Ms Schleis:

Enclosed are the sample bags, mailing labels, shipping bags and Instruction sheets for the testing of the TM-200 Fish as we discussed in our phone conversation. Results will be e-mailed to you.

Sincerely,

A handwritten signature in blue ink, appearing to read "Alex", is written over the word "Sincerely,".

Alexander MacDonald, PhD  
Phibro Animal Health  
Medicated Feed Assays

AM:beb

Enclosed: 3 sample bags  
3 mailing labels  
3 shipping bags  
2 Instruction sheets

AEH-09-MAS-02

FF# 7  
Item #       
Pg      of     

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HEALTHY ANIMALS. HEALTHY FOOD. HEALTHY WORLD.™



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PHIBRO MEDICATED FEED ASSAYS

## INSTRUCTION SHEET

### Medicated Feed Sample Preparation for Assay

- The Phibro Animal Health sample bags are pre-identified with your company name, address, and Phibro number (4 digits).
- Fill out the sample ID label on the bag and include your feed ID lot, the concentration (g/ton), Premix ID (name of product), the Lot number, and check off the product to be assayed.
- Fill the bag two-thirds to three-quarters full with sample and twist securely to seal. Make sure to get a representative sample to get the best results.
- Use the grey polyolefin pre-labeled shipping bag or any shipping bag of your choice to ship the sample to Eurofins AvTech Laboratories, 6859 Quality Way, Portage, MI 49002; Covance Laboratories, Nutritional Chemistry & Feed Assays, Animal Health Laboratories, Bldg. 220-1, 671 S. Meridian Rd., Greenfield, IN 46140; or MPI Research Inc. 348 Research Dr., State College, PA 16801, Attn: Sample Receiving (Feed Samples).
- The assays will be based on the Phibro Animal Health product identified on the check list.
- The laboratory will mail, fax, or e-mail the Certificate of Analysis to you. Please indicate how you wish to receive the Certificate of Analysis.
- The turn-around time on the assay will not exceed 30 days.
- If a situation requires a faster turnaround time contact the Phibro Animal Health assay office (see necessary information in the letterhead) to expedite the work. Calls to Eurofins will be forwarded to Phibro Animal Health for authorization.
- Phibro will not pay for the assay of samples if they are not submitted in the Phibro sample bag and are a Phibro medicated feed listed on the bag.
- Please contact the above listed office when you need additional sample bags and mailers.
- International customers must include the Covance, MPI or Eurofins Scientific import permit each time a sample is submitted.

AEH-09-MAS-02

FF#   7    
Item #         
Pg     of    

HEALTHY ANIMALS. HEALTHY FOOD. HEALTHY WORLD.™



PHIBRO MEDICATED FEED ASSAYS

**PLEASE MAKE SURE YOU ARE SENDING YOUR SAMPLE IN A PHIBRO SAMPLE BAG TO THE CORRECT LAB.**

**1. Eurofins AvTech Laboratories**

6859 Quality Way

Portage, MI 49002

Attn: Animal Health Division

- Carbadox (Mecadox)
- Morantel (Rumatel)
- Neomycin (NeoTerramycin=Neomycin + Oxytetracycline)
- Poloxalene (Bloat Guard)
- Pyrantel (Banmith)
- Virginiamycin (Stafac)
- V-Max (Virginiamycin)

**2. Covance Laboratories**

Nutritional Chemistry & Food Safety

Animal Health Laboratory, Bldg. 220-1

671 S. Meridian Rd.

Greenfield, IN 46140

- Oxytetracycline(NeoTerramycin =Neomycin + Oxytetracycline)
- Nicarbazin
- Terramycin (Oxytetracycline)

AEH-09-MAS-02

**3. MPI Research Inc.**

3048 Research Dr.

State College, PA 16801

Attn: Sample Receiving (Feed Samples)

- Semduramicin (Aviax)

FF# 7  
Item #       
Pg      of     

HEALTHY ANIMALS. HEALTHY FOOD. HEALTHY WORLD.™

 [Print page](#) | [Close](#) 


## Detailed Results

Tracking no.: 800801331800

Select time format: 12H

**Delivered**
**Delivered**  
 Signed for by: R.AUGHE

## Shipment Dates

 Ship date Sep 17, 2012  
 Delivery date Sep 18, 2012 9:04 AM

## Destination

Signature Proof of Delivery

## Shipment Options

**Hold at FedEx Location**

Hold at FedEx Location service is not available for this shipment.

## Shipment Facts

Service type	Standard Overnight	Delivered to	Shipping/Receiving
Weight	11.0 lbs/5.0 kg		

## Shipment Travel History

Select time zone: Local Scan Time

All shipment travel activity is displayed in local time for the location

Date/Time	Activity	Location	Details
Sep 18, 2012 9:04 AM	<b>Delivered</b>		
Sep 18, 2012 7:38 AM	On FedEx vehicle for delivery	INDIANAPOLIS, IN	
Sep 18, 2012 7:32 AM	At local FedEx facility	INDIANAPOLIS, IN	
Sep 18, 2012 5:58 AM	Arrived at FedEx location	INDIANAPOLIS, IN	
Sep 18, 2012 4:05 AM	Departed FedEx location	MEMPHIS, TN	
Sep 18, 2012 12:11 AM	Arrived at FedEx location	MEMPHIS, TN	
Sep 17, 2012 7:30 PM	Left FedEx origin facility	LA CROSSE, WI	
Sep 17, 2012 3:20 PM	Picked up	LA CROSSE, WI	

AEH-09-MAS-02

 FF#   7    
 Item #         
 Pg      of

Prepared for:

## Intervet/Schering Plough - TN

Attn: AP - Palma Jordan  
3030 Jackson Avenue  
Memphis, TN 38151

This package contains documentation related to sample group NG-1341608. Sample(s) arrived for testing at Eurofins Lancaster Laboratories, Inc. (or were pulled from our stability chambers for testing) on Thursday, 10/11/2012.

Testing Facility Address:  
6859 Quality Way  
Portage, MI 49002-9779

The following sample(s) are included in this sample group:

<u>Sample Number</u>	<u>Sample Description</u>
NS-06820110	25JUN12FFCA, Florfenicol Type C Feed, 214.3 mg/kg, 1 Bag
NS-06820111	4JUL12FFCA, Florfenicol Type C Feed, 214.3 mg/kg, 1 Bag
NS-06820112	12JUN12CONTB, Florfenicol Type C Feed, 0 mg/kg, 1 Bag

Please refer to the associated documentation for the detailed description of your sample(s).

Questions about this report should be directed to:

Karen E. DeBroske  
(269) 323-3366  
KarenDeBroske@eurofins.com

**Reports provided to:**

Susan Schleis

Intervet/Schering Plough - TN

E-Mail: sschleis@usgs.gov

**WARRANTY** - In accepting analytical work, Eurofins Lancaster Laboratories, Inc. warrants the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES, INC. BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES.

AEH-09-MAS-02

FF# 7  
Item #       
Pg      of

**Intervet/Schering Plough - TN -- 13528**
**Lancaster Laboratories Sample NS-06820110**

Submitted on: 10/11/2012

25JUN12FFCA, Florfenicol Type C Feed, 214.3 mg/kg, 1 Bag

**Assay of Florfenicol by HPLC**

	<u>Result</u>	<u>Units</u>	<u>% LC</u>
Florfenicol	152	mg/kg	71
Specification:	80-110% of Label Claim		

**Supplemental Information (Analytical Testing Notebook and Test Method References)**

<u>Analysis</u>	<u>Method Reference</u>	<u>Notebook Reference</u>	<u>Analysis Date</u>
Assay of Florfenicol by HPLC	SCH-102.03	12-0866	11/13/2012

**AEH-09-MAS-02**
**FF# 7**  
**Item #**  
**Pg        of**

**Intervet/Schering Plough - TN -- 13528**

**Lancaster Laboratories Sample NS-06820111**

Submitted on: 10/11/2012

4JUL12FFCA, Florfenicol Type C Feed, 214.3 mg/kg, 1 Bag

**Assay of Florfenicol by HPLC**

	<u>Result</u>	<u>Units</u>	<u>% LC</u>
Florfenicol	184	mg/kg	86
Specification	80-110% of Label Claim		

**Supplemental Information (Analytical Testing Notebook and Test Method References)**

<u>Analysis</u>	<u>Method Reference</u>	<u>Notebook Reference</u>	<u>Analysis Date</u>
Assay of Florfenicol by HPLC	SCH-102.03	12-0866	11/13/2012

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**Intervet/Schering Plough - TN -- 13528**
**Lancaster Laboratories Sample NS-06820112**

Submitted on: 10/11/2012

12JUN12CONTB, Florfenicol Type C Feed, 0 mg/kg, 1 Bag

**Assay of Florfenicol by HPLC**

	<u>Result</u>	<u>Units</u>	<u>% LC</u>
Florfenicol	<100	mg/kg	N/A
Specification	N/A		

**Supplemental Information (Analytical Testing Notebook and Test Method References)**

<u>Analysis</u>	<u>Method Reference</u>	<u>Notebook Reference</u>	<u>Analysis Date</u>
Assay of Florfenicol by HPLC	SCH-102.03	12-0866	11/13/2012

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**Person in charge**  
**Client Support**

John M. Reuther  
 Maria Pham

UPPER MIDWEST ENVIRONMENT SCIENCE CENTER  
 ATTN: SUSAN SCHLEIS  
 2630 FANTA REED RD  
 LA CROSSE, WI 54630

Reporting Date 10/19/2012



AR-12-QA-035203-01

## REPORT OF ANALYSIS

**Sample Code** 468-2012-1010B116

**Sample Description** FISH FEED  
**Client Sample Code** 12 JUN 12 CONT B  
**Sample Reference** OTAHIME EP1

**Reception Date** 10/10/2012  
**Reception Temperature** 15.8 (Celsius)  
**Sample Condition** Acceptable  
**Purchase Order**

### Test Results

**QD576 - Ormethoprim**

**Completion Date:** 10/19/2012 **Method:**

\* Ormethoprim

### Result

<10 µg/kg

**QD577 - Sulfadimethoxine (LC-MSMS)**

**Completion Date:** 10/19/2012 **Method:** AOAC 983.31

Sulfadimethoxine

<10 µg/kg

*\*This is not covered by our current A2LA accreditation.*

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Respectfully Submitted,  
 Eurofins Central Analytical Laboratories

Results shown in this report relate solely to the item  
 submitted for analysis.  
 Uncertainty can be obtained upon request.

John Reuther, President



TESTING CERT  
 #2993-01

Any opinions/interpretations expressed on the Report of Analysis are outside the scope of this lab's A2LA accreditation.

A2LA ISO 17025:2005  
 NQA ISO 9001: 2008  
 Food and Drug Administration

American Oil Chemists Society  
 Grain and Feed Trade Association  
 Federation of Oils, Seed, and Fats Associations, Ltd.

Japanese Ministry of Health and Welfare  
 Association of Official Analytical Chemists  
 United States Department of Agriculture

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**COVANCE LABORATORIES**

3301 Kinsman Boulevard  
Madison, WI 53704

**F A X C O V E R S H E E T**

Name: PHIBRO ANIMAL HEALTH 2511  
Company: PHIBRO\_ANT  
Fax Number: 973228-3498

*ATTN: SUSAN SKLEIS*

No. of Pages: 4

Regarding: Certificate of Analysis G42625-0 : Multiple samples starting with  
Covance Sample 1618259 :25JUN12 OTCA1, Lot: N10110124XF,  
17SEP12,...

**Fax 608-783-6066**

*Hello Susan:  
The 3 CoFA's are  
attached. Results are good  
specificity is 65% → 135%  
of claim. Best regards  
Alex MacDonald*

Confidentiality Notice: This facsimile transmission may contain confidential or legally privileged information which is intended only for the use of the individual or entity named on this transmittal sheet. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution, or reliance upon the contents of this facsimile is strictly prohibited. If you have received this facsimile transmission in error, please notify us immediately by telephone so that we can arrange for the return of the transmitted materials to us at no cost to you.

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Medicated Feed Assays  
PO Box 1076  
West Caldwell, NJ 07007  
Tel: (973) 228-0136

### Certificate of Analysis

Report Number: 642625-0  
Report Date: 01-Oct-2012  
Report Status: Final

## PHIBRO ANIMAL HEALTH

Glenpointe Centre East, 3rd Fl.  
300 Frank W. Burr Blvd., Ste 21  
Teaneck New Jersey 07666-8712  
2511 1880357

Sample Name:	25JUN12 OTCA1	Covance Sample:	1618259
Project ID	PHIBRO_ANI-20120920-0324	Receipt Date	20-Sep-2012
PO Number	75-20120010	Receipt Condition	Ambient temperature
Lot Number	N10110124XF	Login Date	20-Sep-2012
Description	17SEP12 TERRAMYCIN 200 FOR FISH	Storage Condition	Ambient temperature

Analysis	Percent of Label Claim	Specifications	Result
Oxytetracycline Hydrochloride			
Oxytetracycline Hydrochloride	84.8%	1,179 mg/kg	1000 mg/kg

#### Method References Testing Location

Oxytetracycline Hydrochloride (OTC\_S:2) Covance Laboratories - Greenfield  
AOAC Official Method 2008.09.

#### Testing Location(s) Released on Behalf of Covance by

Covance Laboratories - Greenfield Sharon McKilligln - Associate Director  
671 S. Meridian Road  
Greenfield IN 46140  
866-964-2034

These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Covance.

AEH-09-MAS-02

FF# 7  
Item #         
Pg     of



Medicated Feed Assays  
PO Box 1075  
West Caldwell, NJ 07007  
Tel: (973) 228-0130

### Certificate of Analysis

Report Number: 642625-0  
Report Date: 01-Oct-2012  
Report Status: Final

## PHIBRO ANIMAL HEALTH

Glenpointe Centre East, 3rd Fl.  
300 Frank W. Burr Blvd., Ste 21  
Teaneck New Jersey 07666-6712  
2511 1880357

Sample Name:	4JUL OTCA1	Covance Sample:	1618260
Project ID:	PHIBRO_ANI-20120920-0324	Receipt Date:	20-Sep-2012
PO Number:	75-20120010	Receipt Condition:	Ambient temperature
Lot Number:	N10110124XF	Login Date:	20-Sep-2012
Description:	17SEP12 TERRAMYCIN 200 FOR FISH	Storage Condition:	Ambient temperature

Analysis	Percent of Label Claim	Specifications	Result
Oxytetracycline Hydrochloride			
Oxytetracycline Hydrochloride	89.1%	1,179 mg/kg	1050 mg/kg

#### Method References Testing Location

Oxytetracycline Hydrochloride (OTC\_S:2) Covance Laboratories - Greenfield  
 AOAC Official Method 2008.09.

#### Testing Location(s) Released on Behalf of Covance by

Covance Laboratories - Greenfield Sharon McKilligln - Associate Director

671 S. Meridian Road  
Greenfield IN 46140  
866-964-2034

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AEH-09-MAS-02

FF# 7  
Item #       
Pg      of



Medicated Feed Assays  
PO Box 1076  
West Caldwell, NJ 07007  
Tel: (973) 226-0130

### Certificate of Analysis

Report Number: 642625-0  
Report Date: 01-Oct-2012  
Report Status: Final

## PHIBRO ANIMAL HEALTH

Glenpointe Centre East, 3rd Fl.  
300 Frank W. Burr Blvd., Ste 21  
Teaneck New Jersey 07666-6712  
2511 1880357

Sample Name:	20123451	Covance Sample:	1618261
Project ID	PHIBRO_ANI-20120920-0324	Receipt Date	20-Sep-2012
PO Number	75-20120010	Receipt Condition	Ambient temperature
Lot Number	N/A	Login Date	20-Sep-2012
Description	17SEP12	Storage Condition	Ambient temperature
	N/A		
	SAMPLE CONTAM-A		

Analysis	Result
Oxytetracycline Hydrochloride	<2.0 mg/kg
Oxytetracycline Hydrochloride	

Method References	Testing Location
Oxytetracycline Hydrochloride (OTC_S:2) AOAC Official Method 2008.09.	Covance Laboratories - Greenfield

Testing Location(s)	Released on Behalf of Covance by
Covance Laboratories - Greenfield 671 S. Meridian Road Greenfield IN 48140 866-964-2034	Sharon McKilligin - Associate Director

These results apply only to the items tested. This certificate of analysis shall not be reproduced, except in its entirety, without the written approval of Covance.

AEH-09-MAS-02

FF# 7  
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